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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/766,917	01/30/2004	Raghu M. Ramajois	8200.809	3981
Liniak, Berena	7590 07/12/2007		EXAM	INER
Ste. 240			PILKINGTON, JAMES	
6550 Rock Spring Drive Bethesda, MD 20817			ART UNIT	PAPER NUMBER
			3682	
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			07/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)			
		10/766,917	RAMAJOIS ET AL.			
	Office Action Summary	Examiner	Art Unit			
	•	James Pilkington	3682			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet w	ith the correspondence address			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE in a solid street in the may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication, period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNI 36(a). In no event, however, may a vill apply and will expire SIX (6) MO cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on 18 Ag	oril 2007.				
2a)⊠	This action is FINAL . 2b) This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
•	closed in accordance with the practice under E	x parte Quayle, 1935 C.I). 11, 453 O.G. 213.			
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-20 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	on Papers					
10)⊠	The specification is objected to by the Examine The drawing(s) filed on <u>03 August 2004</u> is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction to the oath or declaration is objected to by the Ex	a) \square accepted or b) \boxtimes odrawing(s) be held in abeyation is required if the drawing	nce. See 37 CFR 1.85(a). I(s) is objected to. See 37 CFR 1.121(d).			
Priority u	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachmen	t(s)					
1) Notic	e of References Cited (PTO-892)		Summary (PTO-413)			
3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	5) Notice of	s)/Mail Date Informal Patent Application 			

DETAILED ACTION

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the "one hole through said sidewall and includes two holes" (clm 4, 14 and 18) must be shown or the feature(s) canceled from the claim(s). The examiner is reading the clm to say that the said at least one hole now has two other holes present inside of it.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1, 2, 5, 6 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fukunaga, USP 4,351,203 in view of Azuma et al, USP 4,595,118.

Re clm 1, Fukunaga discloses a similar device having a hollow casing (5) including continuous side wall having at least one hole (55) there through, the hollow casing having an opening (51) formed in a lower portion and a vent tube (7).

Fukunaga does not disclose said vent tube extending within said hollow casing so as to from a cavity between an inner peripheral surface of said casing and an outer peripheral surface of said vent.

Azuma teaches extending the vent tube (32) within said hollow casing (20) forming a cavity between the hollow casing (20) and the vent tube (32) and said vent tube (32) having a first open end disposed within said hollow casing (20) and a second end extending outside said casing in communication with an external environment (Fig. 2) for the purpose of providing an air-breather device which is capable of preventing any external leakage even when immersed when the end is immersed in fluid (col. 1 lines 51-54).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Fukunaga and provide a vent tube extending

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within said hollow casing so as to from a cavity between an inner peripheral surface of said casing and an outer peripheral surface of said vent, as taught by Azuma.

Re clm 2, Azuma teaches that both the vent tube (32) and the hollow casing (20) are substantially cylindrical (Figs. 2 and 3) and the cavity created between the hollow casing (20) and the vent tube (32) is substantially annular.

Re clm 5, Fukunaga discloses that the second end of the vent tube (7) is formed with an external retention surface (72).

Re clm 6, Fukunaga in view of Azuma discloses that the hollow casing (5) includes a top end wall (71, Fukunaga) substantially closing said hollow casing, said vent tube (7) being connected and extending through said top end wall (Azuma Figure 2).

Re clm 19, Fukunaga discloses that the hollow casing includes a bottom wall (where casing bends inward) substantially closing said hollow casing, an opening (51) defined by a hole extending through the bottom wall.

Claims 3 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fukunaga, USP 4,351,203, in view of Azuma et al, USP 4,595,118, and further in view of Rodgers et al, USP 5,724,864.

Re clms 3 and 11, Fukunaga in view of Azuma discloses all of the claimed subject matter as described above, and further discloses that the at least one hole (55) is located on a longitudinal first side portion of said casing adjacent said long side of said vent tube.

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Fukunaga and Azuma do not disclose the vent tube has a beveled end/non-truncated such that and an oblique opening is formed in the first end of the vent tube, the vent tube having a long side and a short side.

Rodgers et al teach adding a bevel (116) to the end of the vent shaft (114) those creating an oblique opening and a vent tube having a long side and a short side (Figure 2) for the purpose of increasing the surface opening of the passageway (col. 4 lines 26-27).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Fukunaga and Azuma and provide a bevel on the end of the vent tube, as taught by Rodgers, to increase the surface opening of the passageway. The resulting device, Fukunaga in view of Azuma further in view of Rodgers, discloses a hole through the sidewall of the casing being located on a longitudinal first side portion of the casing adjacent to the long side of the vent tube.

5. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Fukunaga, USP 4,351,203, in view of Azuma et al, USP 4,595,118, in further view of Rodgers et al, USP 5,724,864, and further in view of Terwoerds et al, USP 3,422,982.

Fukunaga discloses the use of multiple holes (55, 55') to insure that at least one opening is always open to the interior of the gear housing and one hole is always located on the downstream side of lubricant flow (col. 2 line 51-59).

Fukunaga does not disclose spacing the holes apart longitudinally.

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Terwoerds et al teach spreading holes (24) apart longitudinally or in any geometric relationship (col 3 lines 26-32) for the purpose of separating oil from the air being vented out (col 4 lines 43-51).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Fukunaga and provide holes that are longitudinally separated, as taught by Terwoerds et al, to provide a means of separating the liquid from the escaping air.

6. Claims 7-10, 12, 16 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Azuma et al, USP 4,595,118 in view of Fukunaga, USP 4,351,203.

Re clm 7, Azuma discloses a vent assembly comprising a hollow casing (20) secured in a housing (12), said casing including a continuous side wall (outside of casing) that terminates at a lower portion (at 24A) having an opening (24A), and a vent tube (32) extending within said hollow casing (20) with a first end disposed in the casing and a second end communication with the external environment (see Figure 2)

Azuma does not disclose that the continuous side wall has at least one hole.

Fukunaga teach a continuous side wall (5) having a hole (55) for the purpose of creating a ventilation effect so that the pressure between the inside of the housing and the outside environment is maintained (C3/L2-17).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Azuma and provide the continuous side wall with a hole, as taught by Fukunaga, for the purpose of creating a ventilation effect so

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that the pressure between the inside of the housing and the outside environment is maintained.

Re clm 8, Azuma discloses that a substantial portion of the casing (20) is disposed in a recessed cavity (cavity with fluid, see Figure 2).

Re clm 9, Azuma discloses that the hollow casing (20) includes a substantially flat top end wall (22) substantially closing said casing (20), said top end wall having a peripheral surface extending beyond said side wall (wall of 20) substantially about a periphery of said vent tube (32).

Re clm 10, Azuma discloses that the peripheral surface (surface of 22) engages an external surface of said housing (12), said vent tube (32) being connected to and extending through said top wall (22) and a bore (hole for vent assembly) formed in said external surface of the housing (12).

Re clm 12, Azuma discloses that both the vent tube (32) and the hollow casing (20) are substantially cylindrical (Figs. 2 and 3) and the cavity created between the hollow casing (20) and the vent tube (32) is substantially annular

Re clm 16, Azuma discloses that the hollow casing (20) includes a top end wall (22) substantially closing said hollow casing, said vent tube (32) being connected and extending through said top end wall (Figure 2).

Re clm 20, Azuma discloses that the hollow casing (20) includes a bottom wall (where casing bends inward) substantially closing said hollow casing (20), an opening (24A) defined by a hole extending through said bottom wall.

7. Claims 13 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Azuma et al, USP 4,595,118, Fukunaga, USP 4,351,203, in view of Fukunaga, USP 4,351,203, and further in view of Rodgers et al, USP 5,724,864.

Re clm 13 and 17, Azuma in view of Fukunaga disclose all of the claimed subject matter as described above, and further discloses that the at least one hole (55) is located on a longitudinal first side portion of said casing adjacent said long side of said vent tube.

Azuma and Fukunaga et al do not disclose the vent tube has a beveled end/non-truncated such that and an oblique opening is formed in the first end of the vent tube, the vent tube having a long side and a short side.

Rodgers et al teach adding a bevel (116) to the end of the vent shaft (114) those creating an oblique opening and a vent tube having a long side and a short side (Figure 2) for the purpose of increasing the surface opening of the passageway (col. 4 lines 26-27).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Azuma and Fukunaga et al and provide a bevel on the end of the vent tube, as taught by Rodgers, to increase the surface opening of the passageway. The resulting device, Azuma in view of Fukunaga further in view of Rodgers, discloses a hole through the sidewall of the casing being located on a longitudinal first side portion of the casing adjacent to the long side of the vent tube.

8. Claims 14 and 18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Azuma et al, USP 4,595,118, in view of Fukunaga, USP 4,351,203, in further view of Rodgers et al, USP 5,724,864, and further in view of Terwoerds et al, USP 3,422,982.

Azuma in view of Fukunaga and Rodgers discloses all the claimed subject matter as disclosed above.

Azuma in view of Fukunaga and Rodgers does not disclose having two holes and the holes being spaced apart longitudinally.

Terwoerds et al teach spreading holes (24) apart longitudinally or in any geometric relationship (col 3 lines 26-32) for the purpose of separating oil from the air being vented out (col 4 lines 43-51).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Azuma in view of Fukunaga and Rodgers and provide holes that are longitudinally separated, as taught by Terwoerds et al, to provide a means of separating the liquid from the escaping air.

9. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Azuma et al, USP 4,595,118 in view of Fukunaga, USP 4,351,203.

Azuma in view of Fukunaga discloses all the claimed subject matter as applied to claim 7.

Azuma in view of Fukunaga, as applied to claim 7, does not disclose the second end of the vent tube being formed with an external retention surface.

Fukunaga teach the a vent tube (7) having a second end with an external retention surface (72) for the purpose of providing a securement means for the cap of the vent tube (C2/L38-48).

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the teachings of Azuma in view of Fukunaga and provide the vent tube with a second end that has an external retention surface, as taught by Fukunaga, for the purpose of providing a securement means for the cap of the vent tube.

Response to Arguments

- Applicant's arguments filed 4/18/07 have been fully considered but they are not persuasive.
- 11. The applicant argues on page 8 of the remarks that the drawings show that "said at least one hole through said sidewall includes two holes."

The examiner argues that the word includes means "having" (Mircosoft Encarta College Dictionary 2001) therefore the broadest reasonable interpretation of the claim is that the at least one hole through said sidewall has two holes. A hole with two holes is not shown in the drawings. The examiner understands that the applicant is attempting to claim the second hole which is independent and distinct from the at least one hole and suggest that in order to clarify the claim that the applicant reword the claim. For example "... further comprising a second hole spaced apart and longitudinally coextensive from the at least one hole along said first side portion of said casing."

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12. In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., that the at least one hole is adjacent the long side of the vent tube) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993). Claims 1 and 7 only require that the housing have a hole in the side wall. This limitation Fukunaga clearly discloses in Figure 2 hole 55 or 55'.

13. The applicant argues that Fukunaga and Azuma do not disclose the vent tube having the first open end that is obliquely formed and defining a long side and a short side of the vent tube in the casing.

The examiner agrees but directs the applicant to the rejection of claims 3, 11 and 17 above. The examiner is relying on Rodgers to disclose the limitation in question. Rodgers also discloses that the motivation for forming the vent tube as such is to increase the surface opening of the passageway (col. 4 lines 26-27). The resulting combination would then have a "vent tube having the first open end that is obliquely formed and defining a long side and a short side of the vent tube within the casing, and the hole through the sidewall of the casing being located on a longitudinal first side portion of the casing adjacent the long side of the vent tube.

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14. The applicant argues that the examiner has failed to provide a prima-facie case of obviousness.

It appears to the examiner that within this argument the applicant is first arguing that the devices are non-analogues since they are used in different environments. The examiner notes that it has been held that a prior art reference must either be in the field of applicant's endeavor or, if not, then be reasonably pertinent to the particular problem with which the applicant was concerned, in order to be relied upon as a basis for rejection of the claimed invention. See *In re Oetiker*, 977 F.2d 1443, 24 USPQ2d 1443 (Fed. Cir. 1992). In this case, all the devices relate to breather apparatuses and a recitation of the intended use (oil bath) of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim.

15. In response to applicant's argument (Clm 4, 14 and 18) that the examiner's conclusion of obviousness is based upon improper hindsight reasoning, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See *In re McLaughlin*, 443 F.2d 1392, 170 USPQ 209 (CCPA 1971).

16. In response to the applicant's argument that the prior art fails to disclose the recited bottom end wall substantially closing the casing the examiner disagrees.

Fukunaga clearly shows and opening in the bottom wall of the casing that "mostly closes" (page 9 of remarks) the casing. The bottom wall is wall 5 and it has an opening at 51 thus only "substantially closing" the casing.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to James Pilkington whose telephone number is (571) 272-5052. The examiner can normally be reached on Monday-Friday 8:00AM-4:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Ridley can be reached on (571) 272-6917. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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7/5/07

RICHARD RIDLEY
SUPERVISORY PATENT EXAMINER

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